Amanda Blackmon (adpce.ad)

From: Jennifer Enos <jenos@springdalewater.com>
Sent: Tuesday, July 15, 2025 2:30 PM
To: EE Water Enforcement Report; Richard Healey (adpce.ad)
Cc: Heath Ward; Brad Stewart; Loren Sharp; Shannon Bowen
Subject: NPDES Permit No. AR0022063 - Report of permit excursion, Springdale Water Utilities - 7 day NH3-N concentration limit violation

Dear Sir/Madame:

This email is to provide a first notice of a permit excursion for the above-referenced NPDES permit. A more detailed letter will be attached to our July DMR in NetDMR.

On June 26, 2025, after a number of months of low organic loading to the WWTF, it was decided to take one of the four Bardenpho process trains out of service in order to optimize performance. Until our last improvements were completed, the only way to take one of our two newest trains offline was to discharge them directly into the original four final clarifiers, causing high nutrient levels to be discharged. This process normally took about three days. During our Phase I improvements, a line was put in place allowing Process Trains 3 and/or 4 to discharge to the heads of Process Trains 1 and 2. It was decided to take PT 3 out of service, and the line discharging it to PT 1 and 2 was opened. To our great surprise, it took less than a day for the entire contents to discharge into the two trains!

This rapid discharge resulted in several weeks of on/off high NH3-N effluent results, believed to have been caused by the high solids in the trains resulting from taking one offline. Aggressive wasting allowed some recovery over the weekends when loadings were substantially reduced, but there have now been three weeks of high results toward the end of each week. The week of July 6 – 12, 2025 resulted in a weekly average concentration of 3.77 mg/L, higher than the permit limit of 2.3 mg/L. To date, this is the only violation that has occurred in association with this change in process.

It is hoped that continued, aggressive wasting has reduced the MLSS in the system to a low enough level to return to our normal, excellent NH3-N removal and allow us enough time to prevent any further excursions. If any do occur, you will receive additional notice(s).

Please contact me at the email/phone number below if you have any questions or require additional information.

Sincerely yours.

Jennifer Enos
Wastewater Facilities Director
jenos@springdalewater.com
479 756-3659

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